



## Prof Bryden heads General Committee with Principal Hallett as vice-chairman

Prof. Kenneth Bryden, of Political Economy, was elected chairman and Principal A. C. H. Hallett of University College was chosen vice-chairman of the General Committee of the Faculty of Arts and Science Council last Friday.

About 140 of the 207 members of the General Committee were present for this first meeting since the establishment of the Committee last spring. About two dozen spectators attended.

Aside from the election of officers

for the Committee, the only other business transacted was a decision to hold a special meeting in two weeks' time to consider a motion put forward by a student member, David Warren. This motion asks that a sub-committee of five faculty and five students, with a non-voting chairman, be formed to study the entire question of the government of the Faculty and report to a plenary session of the Faculty Council in December.

As the meeting began, Dean A. D.

Allen reported that the striking committee had presented the name of Prof. Bryden for the chairmanship. Prof. Bryden, an associate professor of political science, was a former member of the Ontario Legislature, and former deputy leader of the New Democratic Party in Ontario. In response to an invitation from the Dean for other nominations, Profs. Kenneth Walker and Peter Salus put forward the name of Prof. Frederick Winter, chairman of Fine Art, a past president of the Association of the teaching Staff, a member of the Faculty Reform Caucus, and a member of the University-Wide Committee on the governance of the University in 1970.

Prof. Bryden received 78 votes, Prof. Winter 60, and there was one spoiled ballot.

In the election for vice-chairman, Principal Hallett, who had been recommended by the striking committee, was given 91 votes, and Darlene Lawson, fourth year student in sociology, who, her sponsor said, was "involved in the campus political scene", received 48.

Voting was then held for the offices of chief proctor and three proctors. Their duties are "to ensure the grouping of members and of observers in such a manner that the counting of the votes can be carried out without undue delay; to assist in the counting of the votes, and to assist the chair in any way that the chair may direct to ensure that the business of the General Committee and the Council is effectively and properly done."

As chief proctor, Prof. W. B. Dean, Geography, was proposed by the striking committee, and Don MacLeod, fourth year student, was nominated from the floor. The result of the vote: Dean, 85; MacLeod, 44.

The proctors, all nominated by the striking committee and elected by acclamation, were Prof. Jean M. Joyner, Sociology; Warren Gallagher, part-time student, and Ronald Struys, third year student at Innis College.

An election was required for the two



C. Malim Harding

## Vice-Chairman of the Board

C. Malim Harding, O.B.E., B.A., has been elected Vice-Chairman of the Board by his fellow-Governors.

Mr. Harding was appointed to the Board in April 1967. He is on the executive Committee, is chairman of the Finance Committee, and a member of 10 other committees of the Board — Investment, Press, Property, Student Activities, Health Sciences, Connaught, Insulin, Conservatory, Varsity Fund and the Ad Hoc Committee (Connaught). He was a member of the Board's Medical Survey Committee, 1968-70.

Mr. Harding enrolled in University College (from University of Toronto Schools) with an Edward Blake scholarship in 1928. He graduated as a gold medallist and with a B.A. in Political Science in 1931.

After six years with Harding Carpets Ltd., he went overseas in 1939 with the 54th Battery, 1st Field Regiment RCHA. He finished the war a colonel and Chief Instructor at R.M.C.

Rejoining Harding Carpets after the war, Mr. Harding became Executive Vice-President in 1948, President in 1953 and is now Chairman of the Board.

Married in 1947, Mr. Harding has two daughters and a son.

## EXHIBITIONS

Exhibition of paintings by Eugenia Zundel (Mrs. David Mankovitz) from the series "War and Peace" and "Homage to a People". Edward Johnson Building. Until Nov. 30. Proceeds from sales will be applied to the scholarship fund of the Faculty of Music.

Major exhibition of work by Lawren Harris, Jr. (Erindale College in association with the New Brunswick Museum and the Owens Art Gallery, Mount Allison University). Nov. 15 to Dec. 15.

Pottery exhibit by Ontario's leading potters. Science Wing, Scarborough College. Until Nov. 30.

"A Time To Dream". Photographs by forty-eight Canadian photographers capture Canada in the summer time. Erindale College. Dec. 1-22.

### NOVEMBER 24 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, November 24.

## Physical Plant's new director



Mr. Hastie

Frank J. Hastie becomes Chairman of Planning for the University of Toronto on Jan. 1 and will be succeeded as Director of Physical Plant by James T. Turner Jr., who since 1966 has been Director of Physical Plant at the University of British Columbia.

In a notice of the appointments, after the Board of Governors had approved them, Alex G. Rankin, Executive Vice-President (Non-academic), said:

"For some considerable time it has been evident that Mr. Hastie has been carrying an almost intolerable work load. During the past dozen or more years, the significant expansion of physical facilities, in terms of new construction, additional utilities, major renovations, and the detailed planning related to these developments have placed a tremendous burden on Mr. Hastie's willing shoulders. In the best interests of his health, it has



Mr. Turner

been decided to reduce to some extent the span of his responsibility. As Mr. Hastie has expressed a strong preference to concentrate on the planning aspect of campus development, he will devote full time to that area."

A graduate mechanical and electrical engineer, Mr. Turner has "an outstanding record in engineering, planning, budgeting, and plant operations, both in industry and education", Mr. Rankin said. "Mr. Turner has agreed to come to us for a two and a half year term. In this period, the policies, procedures, the span of responsibility and the organizational structure of our complex Physical Plant Department will be thoroughly re-examined."

Frank Hastie has been with University of Toronto since 1955 and his period of service has been marked by a vast ex-

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## University Research Commission will meet here on Dec 6 and 7

The Commission to Study the Rationalisation of University Research, established by the Association of Universities and Colleges of Canada, will hold public hearings in the Senate Chamber, Simcoe Hall, on Dec. 6 and 7, at 9.30 a.m. and 2 p.m. each day.

The commissioners, Dr. J. Alexander Corry, former Principal of Queen's University, and Prof. Louis-Philippe Bonneau, Vice-Rector of Laval University, have these terms of reference: "To study, report, and make recommendations on the mechanisms, structures and processes required to ensure that research undertakings in the universities of Canada can be planned to serve, without undue dup-

lication, both the advancement of knowledge, and provincial, regional, and national development."

At public hearings across Canada, the commissioners are hearing and receiving briefs from interested individuals and groups. Written submissions will be received until Feb. 1, 1972. Notice of intention to submit a brief is to be sent to the Secretary of the Commission as soon as possible and not less than 15 days before a hearing, if the brief is to be presented at that time.

Four copies of the brief should be sent to Dr. Lucien F. Michaud, Secretary, Commission to Study the Rationalisation of University Research, 151 Slater St., Ottawa K1P 5N1.



Prof. Bryden (standing) and Dr. Hallett

members at large on the steering committee, who serve in addition to the chairman, the vice-chairman and the Dean, who are ex-officio members. Proposed by the striking committee were

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# COMING EVENTS

## NOVEMBER

### 11 THURSDAY

- Service University of Toronto Alumni Association Service of Remembrance. Soldiers' Tower. 10.55 to 11.05 a.m.
- Music John Alldis Choir of London. Concert Hall, Edward Johnson Building. 8.30 p.m. Single ticket \$3, student ticket \$2.
- Lectures  
Archaeology "The Gezer *High Place*". Anita Furshpan. Planetarium Lecture Room, ROM. 4.30 p.m. (Archaeological Institute of America, Toronto Society)
- Biochemistry "NMR Studies of the Mechanism of Aconitase". Dr. A. S. Mildvan, Institute of Cancer Research, Philadelphia. 2172 Medical Sciences Building. 4 p.m. (Biochemistry and SGS)
- Engineering "Finite Element Analysis of Pollution-Related Flow Problems". Prof. R. H. Gallagher, Structural Engineering, Cornell University. Room 252 Mechanical Building. 4 p.m. (SGS and Mechanical Engineering)
- Decorative arts "Irish Silver and Plaster Work". Desmond Guinness, expert on Georgian architecture and the decorative arts. Room 4, ROM. 8.30 p.m. Admission \$1.50; ROM members free.
- Seminars  
India "Communism in Indian Politics". Dr. Bhabani Sen Gupta, head of the Department of Disarmament and Security Studies, School of International Studies, Jawaharlal Nehru University, New Delhi. Room 402, 158 St. George St. 4 p.m. (South East Asian Studies)
- Environment "The Effects of Ozone and Sulphur Dioxide Independently and Together in Forestco System". Dr. J. Costonis. Council Room 211 Mill Building. 4 p.m. (Environmental Sciences and Engineering)
- Meeting Special general meeting of the U of T Faculty Association. Medical Science auditorium. 8 p.m.

### 12 FRIDAY

- Lectures "Benjamin Franklin and the Electricians of Europe". Prof. J. L. Heilbron, Department of History, University of California, Berkeley. 102 McLennan Physical Laboratories. 1.10 p.m. Discussion will follow. (History and Philosophy of Science and Technology)
- History of Art "Excavations at Anemurium (Turkey - 1971 Season)". Prof. Hector Williams, Department of Classics, University of British Columbia. Room 1072 Sidney Smith Hall. 4 p.m. (SGS and History of Art)
- Colloquium  
Chemistry "Atomic and Molecular Scattering Above Thermal Energy". Dr. K. P. Lawley, University of Edinburgh. 158 Lash Miller Chemical Laboratories. 4 p.m.
- Seminar  
Biochemistry "The Active Site of Pyruvate Kinase". Dr. A. S. Mildvan. 5227 Medical Sciences Building. 11 a.m. (Biochemistry and SGS)
- Music Vladimir Orloff, cellist. Concert Hall, Edward Johnson Building. 8.30 p.m. Free. (Music)

### 13 SATURDAY

- Lecture  
Physics "Rutherford in Canada". Dr. J. L. Heilbron, University of California, Berkeley. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)
- Party Children's Santa Claus Parade Party. Faculty Club. 10 a.m.
- Festival Festival Québécois. Nov. 13 to 21. For story see page 3.

### 14 SUNDAY

- Films Program of international films begins today. These classic films are shown every Sunday until March 19, except during the Christmas holidays. Brochures available; telephone 928-2033. (Royal Ontario Museum) Today: "Overture", "The Searching Eye", "African Craftsman: The Ashanti", "Ishi in Two Worlds". ROM Theatre. 2.30 p.m. Free.
- Music Judith Lebane, soprano and Stan Kane, baritone. Meeting Place, Scarborough College. 3.30 p.m.

### 15 MONDAY

- Lectures  
Computer "Development of a File Maintenance System". Prof. Richard Conway, Department of Computer Science, Cornell University. Room 203 McLennan Physical Laboratories. 3.45 p.m. (SGS and Computer Science)
- Quebec "The Structural Bases of the Independantist Movement". Prof. Maurice Pinard, Department of Sociology, McGill University. 1069 Sidney Smith Hall. 10 a.m. (Sociology)
- Seminar  
Quebec "Popular Support Behind Separatism: preliminary findings and interpretations". Prof. Maurice Pinard. 257 McLennan Physical Laboratories. 3 p.m. (Sociology)

### 16 TUESDAY

- Lectures  
Computer "Semi-discrete Least-square Methods for a Parabolic Boundary-value Problem". Prof. Vidar C. Thomée (Chalmers University of Technology, Goteborg, Sweden. Room 202 McLennan Physical Laboratories. 2.10 p.m. (SGS and Computer Science)
- Drama "What Shakespeare Did Not Write". Prof. Richard Proudfoot, King's College, University of London. Upper Library, Massey College. 4 p.m. (SGS and Drama Centre)
- Geography "Geographical Identification with Some General Geometric and Topologic Properties of Surfaces". Prof. W. Warntz, Department of Geography, University of Western Ontario. Room 622 Sidney Smith Hall. 4 p.m. (SGS and Geography)
- Mathematics "The Geometry of African Art". Prof. D. W. Crowe, Department of Mathematics, University of Wisconsin. Room 2117 Sidney Smith Hall. 4.10 p.m. (SGS and Mathematics)
- Music Michael Kearns, harpsichord. Concert Hall, 273 Bloor St. W. 12.15-12.45 p.m. Free (Royal Conservatory)

### 17 WEDNESDAY

- Lectures  
Medieval "The Medieval Lyric and its Public". Prof. Stephen G. Nichols, Jr., Dartmouth College. 106 U.C. 4.15 p.m. (Medieval Studies and SGS)
- Materials Science "Electron Microprobe Techniques, Present and Future". Dr. K. F. J. Heinrich, Acting Chief, Spectrochemical Analysis Section, Analytical Chemistry Division, National Bureau of Standards, Washington. 116 Wallberg Building. 3 p.m. (SGS and Metallurgy and Materials Science)
- Mathematics "Some Elementary Problems in Combinatorial Mathematics". Prof. D. W. Crowe. Room 5017A Sidney Smith Hall. 4.10 p.m. (SGS and Mathematics)

### 18 THURSDAY

- Lectures "La funzione mediatrice della Francia tra il Rinascimento italiano e l'Europa". Prof. Franco Simone, Visiting Professor, Harvard University. 1021 Sidney Smith Hall. 4.15 p.m. (SGS and Italian and Hispanic Languages and Literatures)
- Talk  
Art Joe Rosenthal, whose drawings and sculptures are on display, will talk in the art studio, 230 College St. 11.15 a.m. (Architecture)
- Seminar  
Medieval "Rhetorical Metamorphosis in the Troubadour Lyric". Prof. Stephen G. Nichols, Jr., Upper Library, Massey College. 4.15 p.m. (SGS and Medieval Studies)
- Meeting University Arts Women's Club. "The Student and his Problems". Dr. G. E. Wodehouse. St. Thomas Church Parish Hall, 383 Huron St. 7.45 p.m.

### 19 FRIDAY

- Lecture  
Chemistry "Progress Towards the Synthesis of Ryanodine". Prof. Pierre Deslongchamps, Université de Sherbrooke. Room 158 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)
- Conference  
Renaissance "The Italian Renaissance and Northern Europe". Nov. 19 and 20. (Renaissance Studies, SGS) For details see page 3.
- Theatre "The Recruiting Officer" by George Farquhar; directed by Desmond Scott. Nov. 19 to 27. Hart House Theatre. 8.30 p.m. Tickets \$2.50; students \$1.25. Telephone 928-8668. (Drama Centre)

### 20 SATURDAY

- Lecture  
Medicine "Insulin - 50 Years of Life - and More". Dr. Albert M. Fisher. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)

### 21 SUNDAY

- Music University of Toronto Concert Band, Conductor Robert A. Rosevear; Soloist: John Rapson, clarinet. MacMillan Theatre, Edward Johnson Building. 3 p.m. Free.
- Etobicoke Chamber Singers; conductor, Clive Dunstan. Meeting Place, Scarborough College. 3.30 p.m.
- Films "The Conquered Planet", "Red Planet Mars", "The Rise and Fall of the Great Lakes", and "Blake". ROM Theatre. 2.30 p.m. Free.

### 23 TUESDAY

- Music Electronic Music and Film. Concert Hall, 273 Bloor St. W. 12.15-12.45 p.m. Free (Royal Conservatory)

### 24 WEDNESDAY

- Lecture  
Spanish Drama "La metáfora dramatizada en el teatro calderoniano". Prof. Bruce Wardropper, Duke University. Upper Library, Massey College. 4.15 p.m. (SGS and Italian and Hispanic Languages and Literatures)

### 25 THURSDAY

- Lectures  
Music Lecture/Demonstration: Alfred Deller. Concert Hall, Edward Johnson Building. 2.10 p.m. Free.
- Materials Science "A Dislocation Model of Metallic Melts". Dr. D. Kuhlmann Wilsdorf, University of Virginia. 116 Wallberg Building. 3 p.m. (SGS and Metallurgy and Materials Science)
- Decorative Arts "Furniture Conservation and Care". John Melody, Winterthur Museum. Room 4 ROM. 8.30 p.m. Admission \$1.50, members free.

### 26 FRIDAY

- Buffet Faculty Club. Reception, 5.30-6 p.m.; Buffet, 6-8.30 p.m.

## Physical Plant's new director

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pansion. In his first year on campus, there were 12,189 full-time students. In the present academic year, a preliminary count lists 26,868 students. To provide space for such an increase required a building program involving the expenditure of hundreds of millions of dollars, in which Mr. Hastie was involved from the time of his arrival on campus.

Almost all of the buildings erected west of St. George St. were constructed in that period: Sidney Smith Hall, McLennan Laboratories, Lash Miller Laboratories, Ramsay Wright Zoological Building, the underground Linear Accelerator Laboratory, Benson Building, New College, Pharmacy Building, 215 Huron Street (Physical Plant headquarters), the renovation of the old Dentistry Building for Architecture, and - the biggest job of all - the John P. Roberts Library, now under construction, and the connected School of Library Science.

On the original campus were built the Galbraith Building, Medical Sciences Building, Edward Johnson Building, Laidlaw Library of University College, Press Offices and Bookroom, additions to Best Institute, Flavelle House, College of Education, and Whitney Hall, and the renovation of Cumberland House.

Off St. George Campus were erected the Dentistry Building, Scarborough and Erindale Colleges, and new facilities for the Press printing division, Connaught Medical Research Laboratories, and the Institute for Aerospace Studies.

Frank Hastie's background and experience fitted him well for the task he faced 26 years ago. A prize-winning student, he graduated with a B.Sc. degree in electrical engineering from the University of Alberta in 1936. For the next 11 years he was, first, with Canada Packers Limited in Edmonton and then with East Kootenay Power Co. in Coleman, Alberta. His service with the latter company was interrupted by his enlistment in the Canadian Army in World War II as a lieutenant in the Royal Canadian Engineers, with which he served in Canada, Britain, Holland, and Germany.

In 1947 Mr. Hastie was appointed Superintendent of Buildings and associate professor of electrical and mechanical engineering at the University of Alberta. In 1953-54 he was on leave from his university to serve as technical adviser to the Alberta Department of Industries and Labour on the revision of power plant and pressure vessel legislation.

On Sept. 1, 1955, Mr. Hastie joined

University of Toronto as Assistant Superintendent in the Office of the Superintendent, the equivalent of today's Physical Plant Department. On July 1, 1956, he became Superintendent, succeeding Col. A. D. LePan, who had retired after 36 years as Superintendent. In 1960 Mr. Hastie's title was changed to Superintendent of Buildings and Grounds and in 1965 to the present one, Director of Physical Plant.

James T. Turner Jr.

The Director of Physical Plant designate, a native of Moose Jaw, Sask., graduated from Tri-State College, Angola, Indiana, in 1936 with a B.Sc. in electrical engineering and in 1937 with a B.Sc. in mechanical engineering. He is also a graduate of the Executive Program in Business Administration of Columbia University.

His professional career has given Mr. Turner a diversity of experience, in his early years in the area of technical work and in recent times in the field of management. He was with National Light and Power Co. in Moose Jaw until 1942, when he joined the Royal Canadian Signals, holding the ranks first of lieutenant and then of captain.

After the war, Mr. Turner was Canadian engineering representative for Cop-perveld Steel International Co. of New York, then joined the B.C. Electrical Co. as planning engineer. For the next 15 years he held this and a number of other positions: acting manager and later manager of the transportation maintenance sub-division, service vehicle co-ordinator, assistant director of budget and control division, which latter post he held in 1961 when B.C. Electric and the B.C. Power Commission were amalgamated as B.C. Hydro.

While with B.C. Hydro, Mr. Turner was manager of the budget and control department, project engineer (equipment) on the Peace River power project, assistant project manager (equipment) on the Peace River project and Columbia River development. He left B.C. Hydro in November 1966 to head Physical Plant at the University of British Columbia.

As Director of Physical Plant for UBC, Mr. Turner is responsible for all aspects of physical plant on a 1,000 acre campus with 417 buildings and 650 permanent and temporary employees in his department. During the initial period of his appointment, a complete reorganization of the former Architect Planners' Office and the Department of Buildings and Grounds was carried out to create the present Physical Plant Department.



## Festival Québécois Nov 13 to 21

The following is the detailed program of Festival Québécois, which will begin on Saturday, Nov. 13, and continue for nine days. Further information and possible changes in the programs may be obtained by telephoning 928-7366. Tickets will be required for events marked with an asterisk below.

### Every day of the Festival

Exhibition of 17th, 18th and 19th century Quebec paintings. Hart House Art Gallery.

Exhibition of modern Quebec paintings — Hart House common rooms.

Exhibition of 500 of the latest Quebec books. Hart House Music Room.

Quebec films. Medical Sciences Auditorium.

Writers-in-residence Michele Lalonde and Gerard Bessette available for consultation. Hart House.

### Saturday, Nov. 13

5 p.m. Official opening of the Festival and the art exhibitions. Hart House.

8 p.m. Films: "La visite du Général de Gaulle au Québec" and "A soir on fait peu au monde". Medical Sciences Auditorium.

8.30 p.m. *Panneaux Réclames*, short theatrical pieces by Michele Lalonde and other contemporary Quebec writers, performed by Le 8<sup>ème</sup> étage. Edward Johnson Building Concert Hall.\*

### Sunday, Nov. 14

7 p.m. Readings by Michele Lalonde and Gerard Bessette and open discussion. Hart House Library.

8 p.m. Panel discussion, "The role of the church, past and present, in the life of Québécois". Canon Grandmaison and other distinguished guests. Hart House Debates Room.

8 p.m. Films: "Le Mépris n'aura qu'un temps" and "Mon enfance à Montréal", by Jean Chabot, who will answer questions after the showing. Medical Sciences Auditorium.

8.30 p.m. Folk music concert, with Claude Gauthier, followed by the film, "Entre la mer et l'eau douce". Hart House Great Hall.\*

### Monday, Nov. 15

8 p.m. Films: five "shorts" and "Les voitures d'eau". Medical Sciences Auditorium.

8 p.m. Panel discussion on the role and methods of physical education by students of University of Toronto and Université de Montréal. Hart House Debates Room.

8.30 p.m. Concert: Louise Forestier, chansonnière. Hart House Great Hall.\*

### Tuesday, Nov. 16

4 p.m. Economics seminar. Participants and location to be announced.

8 p.m. Hockey: University of Toronto vs Université de Montréal. Varsity Arena. Admission \$1.\*

8 p.m. Films: "La chambre blanche" and "Vive la France". Medical Sciences Auditorium.

8.30 p.m. Experimental rock group "L'Infonie" and "happening", with poet Raoul Duguay. Hart House Great Hall.\*

### Wednesday, Nov. 17

4 p.m. Sociology seminar. Participants and location to be announced.

6 p.m. Volleyball: U of T and U de M teams. Benson Building.

6 p.m. Fencing: competitions for men and women students of the two universities. Hart House.

8 p.m. Films: "Entre tu et vous" and "Ce soir-là Gilles Vigneault". Medical Sciences Auditorium.

8 p.m. Concert of Quebec serious music from 1789 to the present and the Gabriel Charpentier operetta, "La leçon anglaise", with Marilyn Gardner, star of the original Stratford production. Edward Johnson Building Concert Hall.\*

8.30 p.m. Soirée-rencontre with Michele Lalonde and Gerard Bessette. Hart House.

### Thursday, Nov. 18

4 p.m. History seminar. Participants and location to be announced.

8 p.m. Debate: "Quebec needs Canada to maintain its unique identity". Honorary visitor, René Lévesque, leader of the Parti québécois. Hart House Debates Room.

8 p.m. Films: "Faut aller parmi le monde pour le savoir" and short subjects. Medical Sciences Auditorium.

8.30 p.m. Folk dance by Les Feux Follets, presenting their Osaka World's Fair Performance of 1970. MacMillan Theatre.\*

### Friday, Nov. 19

Special issue of *The Varsity* produced by Université de Montréal student journalists.

8 p.m. Films: "La vie" and "Red". Medical Sciences Auditorium.

### Saturday, Nov. 20

8 p.m. Play, "Et le 7<sup>ème</sup> jour", by students of Université Laurentienne, Sudbury.

8 p.m. Films: "Question de vie" and "Entre le mer et l'eau douce". Medical Sciences Auditorium.

### Sunday, Nov. 21

8 p.m. Films: "Mon amie Pierette" and "Le grand film ordinaire." Medical Sciences Auditorium.

8 p.m. Debate on religion. Hart House Debates Room.

8 p.m. Piano recital by Claude Savard. Edward Johnson Building Concert Hall.\*

## Italian Renaissance and Northern Europe is subject of conference Nov 19 and 20

The Centre for Renaissance Studies, School of Graduate Studies, will sponsor a conference on the Campus on Friday and Saturday, Nov. 19 and 20. The general theme is "The Italian Renaissance and Northern Europe". Sessions are as follows:

### Friday, November 19

Prof. Marvin Becker, University of Rochester: "History and the Eye of Possibility". 10.30 a.m.

Prof. J. R. Hale, University College, London: "Renaissance Italy's Contribution to the Art of War in Europe". 2 p.m.

Dr. Charles Schmitt, Leeds University: "Ancient Scepticism: the Flow of Ideas from Italy to the North". 3.30 p.m.

All the above are in the Assembly Hall, Student-Faculty Centre, St. Michael's College.

Prof. Franco Simone, Université de Turin: "Boccaccio en France au XV<sup>e</sup> siècle". 8.30 p.m. Faculty Club.

### Saturday, November 20

Workshop on "Italians and Italian Books Abroad During the Reformation". Participants: Prof. N. Z. Davis, chairman; Dr. John Tedeschi, Newberry Library, Chicago; Dr. P. Bietenholz, University of Saskatchewan; Dr. J. M. de Bujanda, Université de Sherbrooke. 10 a.m. Academic Building, Victoria University.

Ruth Mortimer, Houghton Library: "A Portrait of the Author in Sixteenth Century Italy". 2 p.m. 205 School of Library Science, 140 St. George St.

Address enquiries to Prof. James K. McConica, Conference chairman, School of Graduate Studies, U of T.

## The President's Council votes on a new formula for filling its vacant undergraduate seats

To paraphrase statements made at many earlier sessions of President's Council and repeated at the Nov. 8 meeting by its chairman, Prof. Donald Forster, and others, the Council is not a decision-making body: it exists to advise the President, who may accept or reject the advice. Only on rare occasions is there a formal vote, although a show of hands often indicates the general feeling of members. The President profits from listening to members expound their views as issues are given a thorough airing.

Seven faculty members are elected to Council by their academic constituencies. Seats are available to the same number of students under the same conditions: four undergraduates, two graduate students and one representative of part-time undergraduate students. Because of the obvious difficulties in organizing a meaningful election in the last category, the Association of Part-Time Undergraduate Degree Students (APUDS) is charged with choosing the best person. Council has been unwilling to recognize this exception as a precedent for other student organizations. Various members have stated on occasion that the free play of ideas and a flexible approach to what is best for the University as a whole would be prejudiced if some members held to fixed positions because of accountability to organizations appointing them.

Attempts to arrange student representation on the basis of the Council's constitution have not been too successful. The Council has had no student members this academic year.

On Nov. 8, Council agreed to hear new proposals from Brian Morgan, the University Commissioner for Students' Administrative Council. They also heard others who were present as observers, including Prof. J. B. Conacher, president of the U of T Faculty Association, Robert Spencer, President of SAC, and Stephen Kogitz, President of the Graduate Students' Union.

Mr. Morgan said that to save time he was approaching President's Council first, that he intended to present his proposals (along with Council's view of them) to SAC later in the week.

Mr. Morgan's first proposal was that the four full-time undergraduate members of Council should be named by an Electoral College. The College would consist of SAC members (about 75%), the rest being officers of other student organizations. In discussion he suggested an alternative involving the same elements but reducing the SAC component to about 60%.

Mr. Morgan's second proposal was that (a) the 3 Governors on Council become "assessors" without voting privileges, and (b) a maximum of 6 *ex officio*

members, including the Chairman of the Council, would have voting privileges. In discussion, Mr. Morgan agreed the Governors could retain full membership, providing they were included in the maximum of 6 *ex officio* members with the right to vote.

After debate lasting upwards of 90 minutes, President's Council considered a formal Motion and an Amendment.

**The Motion:** That the constitution of the President's Council remain unchanged, that the part-time students be invited to select a representative as they did last year, that the GSU hold elections at the earliest possible date for their two representatives, and that the SAC appoint by an electoral college method their four people, the seven to be full members of the Council for the balance of this academic year.

**The Amendment:** That the last few words be deleted and the following substituted: "to hold office until appropriate elections can be held, within the next four weeks, if possible."

The Amendment passed 13 to 4.

The Motion as amended passed 15 to none.

## THE 1971-72 PRESIDENT'S COUNCIL

**Chairman:** Acting Executive Vice-President (Academic) and Provost — Prof. D. F. Forster.

**Ex officio:** Acting President — Dr. J. H. Sword; Executive Vice-President (Non-Academic) — A. G. Rankin; Vice-President (Administration) — F. R. Stone; Vice-President (Health Sciences) — Dr. J. D. Hamilton; Vice-President and Registrar — Robin Ross; Dean of the Faculty of Arts and Science — Prof. A. D. Allen; Dean of the Faculty of Medicine — Dr. A. L. Chute; Dean of the Faculty of Applied Science and Engineering — Prof. J. M. Ham; Dean of the School of Graduate Studies — Prof. A. E. Safarian.

**Elected Faculty Members:** Prof. J. B. Dunlop, Faculty of Law (Constituency D); Prof. H. C. Eastman, Dept. of Political Economy (Constituency A); Prof. B. Etkin, Dept. of Engineering Science (Constituency C); Prof. W. M. Paul, Dept. of Obstetrics & Gynaecology (Constituency B); Prof. R. A. Spencer, Dept. of History (Constituency A); Prof. M. J. Wilson, School of Nursing (Constituency E); Prof. K. Yates, Dept. of Chemistry (Constituency A).

**Board of Governors:** 3 members selected for each meeting.

**Secretary:** Miss Dorothy Robertson.

## Prof Bryden elected chairman

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Donald R. Cotton, part-time student, and Principal John M. Robson of Victoria College. Nominated from the floor were Toby Vigod, third year University College student, described by the mover as a member of the Old Mole, a radical student movement, and Prof. Robert K. Logan, Physics. Mr. Cotton and Principal Robson were chosen. The vote: Cotton, 85; Robson, 78; Logan, 58; Vigod, 44.

On taking the chair, Prof. Bryden said he would adhere strictly to the rules that required him to be a neutral presiding officer without a vote and he assured the Committee that he would not express any public opinion at any time on any matter of policy.

Ernest Hobbs, student member, moved that the agenda be amended to provide that Mr. Warren's motion be the first item of business to be discussed. Accepting the motion, Prof. Bryden said, since it was a substantive motion, of which notice had not been given, a two-thirds majority of those present would be

required before the agenda could be so altered. His ruling was appealed, but was upheld by a vote of 80 to 50. The motion failed to receive the two-thirds majority — 74 were in favour of it and 52 against it.

At this point the only disruption of the proceedings occurred. A student member took the floor and, ignoring Prof. Bryden's request to sit down, read a statement to the effect that "we will not co-operate with you until this Committee is set up on parity lines and we will not let you continue". As he concluded his remarks, there was prolonged thumping of the table tops by a dozen or so students who occupied part of the first two rows of seats in the Medical Sciences Building lecture hall where the meeting was held. When the din ended, the protesters, including those who called themselves the Old Mole, gathered up their coats and books and left the room.

The chair then put to the meeting a proposal that the Committee meet in special session in two weeks' time to consider Mr. Warren's motion. This was carried without a standing or recorded vote.



# STAFF NOTES

## ARTS AND SCIENCE

Prof. M. Bersohn spoke on "A Program that Learns Chemistry and Plans Chemical Syntheses" at the Canadian Computer Conference, held at the Royal York Hotel, Sept. 14-17.

Prof. R.M. Savory attended the Twenty-Fifth Anniversary Conference of the Middle East Institute, held at Georgetown University, Washington, D.C., on Oct. 1 and 2. The theme of the Conference was: "People, Power and Political Systems: Prospects in the Middle East."

Prof. Chandler Davis gave a series of lectures on "Structure of Operators", "Eigenvalue and Eigenvector Estimates", and "Characteristic Operator Functions" at the Mathematical Institute of the Association of Vietnamese Mathematicians in Hanoi, during August. During September he spoke on "Some Recent Developments in Functional Analysis" at the Mathematical Institute of the Academia Sinica in Peking and at Fudan University in Shanghai.

At the Thirteenth International Congress on the History of Science, held in Moscow Aug. 17-25, Prof. Kenneth O. May was named Chairman of a newly-formed Commission on the History of Mathematics of the Division of the History of Science of the International Union for the History and Philosophy of Science. The Commission will publish an international directory of historians of mathematics and will be responsible for starting a new international journal for the history of mathematics. The International Academy for the History of Science at its meeting on Aug. 21, 1971, elected Prof. May as a Corresponding Member.

An archaeological expedition to record the wall reliefs and unearth the area surrounding the temple of Osiris, Lord of Eternity, at Karnak in Egypt was at work during June and July. It was organized by the Society for the Study of Egyptian Antiquities in Toronto, with the co-operation of the U of T and the State University of New York at Binghamton. Financial support was forthcoming from the Canada Council and the American Research Center in Egypt. The group was led by Prof. D.B. Redford of the Department of Near Eastern Studies U.C. and included several graduate students of the Department.

Prof. R.J. Williams attended the annual meeting of the Society for Old Testament Study in London, Eng. July 20 to 23, and the Seventh Congress of the International Organization for the Study of the Old Testament in Uppsala, Sweden, Aug. 8-12.

Dr. J.M. Daniels attended the 2nd International Conference on Polarized Targets, at Berkeley, in August, and gave an invited paper, entitled "Progress in Compressed Polarized He<sup>3</sup> Targets".

Prof. J. Van Kranendonk attended the Quantum Crystal Conference in Banff, Sept. 5-10, and gave an invited paper on "Theory of Quantum Diffusion".

Dr. K.G. McNeill attended the Gordon Conference on Photonic Reactions in Tilton, N.H., Aug. 15-20.

Albert Wong presented a paper by P.J. O'Donnell and T.P. Wong entitled "Divergent Vertices and Anomalous Dimensions", at the CAP Meeting in Ottawa in June.

Dr. J.W. Moffat gave an invited talk entitled "Compton Scattering  $e^+e^-$  Annihilation and Scale Invariance", at the International Symposium on Electromagnetic Interactions with Hadrons, held June 20-25, at Trieste, Italy. He also attended the International Conference on High Energy Physics at Amsterdam, June 30 to July 7, and gave a colloquium at Freie Universität, West Berlin, on July 9, entitled "Electromagnetic Interactions with Hadrons".

Prof. A.W. Brewer opened the 2nd Canadian Micrometeorology Conference on behalf of the Associate Committee for Geodesy and Geophysics of the National Research Council, and took the chair of the session on the afternoon of May 10. On May 12 he attended the opening of the new building for the Department of Meteorology at McGill University where he was shown through four symposium rooms, for which they have exclusive rights, and other accommodation.

Prof. A.W. Brewer attended the XV General Assembly of the International Union of Geodesy and Geophysics in Moscow and was convener of the Symposium on Energetics and Dynamics of the Mesosphere and Lower Thermosphere held, on Aug. 3-5. On Aug. 3 he acted as chairman of the session on Composition and Photochemistry. Prof. Brewer was made chairman of the Resolutions Committee of the International Association of Meteorology and Atmospheric Physics, and he was re-elected President of the International Ozone Commission.

Prof. R.A. Wiggins gave a seminar at the National Centre for Earthquake Research of the United States Geological Survey on July 16, entitled "Using Synthetic Seismograms to Improve the Resolution of Upper Mantle Structure" and gave an invited paper at a NASA Workshop on the Mathematics of Profile Inversion on July 15, entitled "Monte Carlo Inversion of Seismic Data".

S.S.M. Wong attended the International Conference on the Statistical Properties of Nuclei, Aug. 23-27, at Albany.

Prof. R. List attended the XV Congress of the International Union of Geodesy and Geo-

physics in Moscow (Aug. 7-13) and gave an invited paper entitled "The Motion of Particle Ensembles" at the session on "Cloud Formation and Dynamics (and Interaction with Larger Scales)". At the Conference he was elected to the membership of the International Commission on Cloud Physics of the International Association of Meteorology and Atmospheric Physics and to the International Advisory Committee of the International Conference on Cloud Physics to be held in London in 1972. While in Russia he also invited the University of Leningrad.

From Sept. 6 to 11, Prof. List attended the International Conference on Weathermodification in Canberra, Australia, where he chaired two sessions on hail suppression and gave an after-dinner talk on historical aspects of Weathermodification. After this conference he visited the Meteorology and Cloud Physics groups of C.S.I.R.O. in Melbourne and Sydney. On the way back, Prof. List studied the technical and choreographic feasibility of improving the efficiency of the rain dances of the North American Indians by including features of the Tahitian and other Polynesian Hulas (another field trip to the South Pacific may be necessary to arrive at conclusive answers). Prof. List participated also in the Council meeting of the University Corporation on Atmospheric Research in his capacity as the scientific representative of the University of Toronto within UCAR (Oct. 12-13).

## KNOX COLLEGE

Dr. J. Charles Hay attended the Conference on Graduate Theological Education in Religion, involving an examination of the present situation and future possibilities, in New York, Oct. 10 and 11.

## ST. MICHAELS COLLEGE

Prof. Ernest Skublics delivered a paper on "Dimensions of the Prophetic in Christian Ministry" at the Fall Conference of the College Theology Society in Buffalo. He also gave five lectures on "Worship" at the invitation of the United Church of Canada Continuing Education of Ministers Program, Toronto Centre.

## ERINDALE COLLEGE

Prof. F.D. Tall visited colleagues and saw the sights of Helsinki, Moscow, Warsaw and Budapest on his way to the 111rd International Symposium on General Topology and its Application to Modern Analysis and Algebra, held in Prague, Aug. 30 - Sept. 4. He presented a paper "Some Settheoretic Consistency Results in Topology".

Principal J.T. Wilson visited McGill University which is celebrating its Sesquicentennial anniversary and at a three-day conference entitled "The University and Society" presented a paper "The University and the Sciences".

Walter Buczynski (Composer-in-Residence) gave a piano recital with the Toronto Symphony Orchestra in the CBC Festival Series in May. In July he gave the premiere performance at Erindale College of his composition "Burlesque for piano, voice and electronic tape" for part-time students studying at the College during the summer. During the summer Mr. Buczynski completed a work entitled "Text for Orchestra and Other Soloists" which will be performed this coming season.

Prof. Cecile Cloutier-Wojciechowska gave a lecture on French Canadian literature at the University of the City of New York, April 26; she gave a paper "l'avant-garde dans la littérature Québécoise" at the meeting of the Learned Societies in St. John's, Nfld. May 26; and on Sept. 1, she presented "Avant-garde et communication" at a meeting of l'Association Internationale des Professeurs de Philosophie de Langue Française.

Prof. A. Guha together with his associate, Dr. Bagchee, and two Erindale 4th year students, A. Vrancic and Mrs. D. Taylor, attended a conference "Adirondacks Genetics and Molecular Biology" arranged by Syracuse University at Sagamore, N.Y. Mr. Vrancic and Mrs. Taylor were very highly commended by people attending the conference for the papers they presented, entitled "Control Mechanism in Biotin A locus of *E. coli*" and "Late messenger RBA from coliphage lambda".

Dr. H.C. Halls spent part of the month of June in the region north of Kirkland Lake collecting rock samples for paleomagnetic study of Archean volcanics (which are at least 2.5 billion years old). One objective is to test whether any imprint of the earth's magnetic field in Archean time has been preserved in these old rocks. One problem to be surmounted is that subsequent heat, pressure and chemical reaction have partially altered the original or primary magnetization of the rocks is not known at present. To date the preparation of samples for analysis in the Rock Magnetism Laboratory at Erindale has been completed. Measurement of the magnetic properties of the specimens is taking place.

Dean P.P.M. Meincke attended the 21st Canadian Metal Physics Conference held at

Trent University, from Aug. 25 to 27. L.C. Ho presented a paper "The Temperature Dependence of the Differential Resistance Near H of a Type I Superconductor (tin)" prepared by Dean Meincke and himself.

Prof. R. Racine attended a symposium on "Telescopic Images" Oct. 1-3 at Laval Université, and presented an invited paper "Detection et Mesures d'Etoiles Faibles". He also participated in the inauguration of the new astronomical observatory at Laval.

## MASSEY COLLEGE

University Professor Northrop Frye gave a paper entitled "Wallace Stevens and the Variation Form" at the IAUPE Conference in Istanbul at the beginning of September. He also gave the Birks Lectures at McGill University on Oct. 5 and 6.

## MEDICINE

Prof. Abraham Miller has left his post as Director of Education at Queen Street Mental Health Centre to join the Clarke Institute of Psychiatry as a staff psychiatrist.

Prof. D.L. McRae (head of radiology, Sunnybrook Hospital) was visiting professor at McGill University during the week of Oct. 12, during which time he visited various teaching hospitals and addressed the Montreal Radiological Study Club.

## APPLIED SCIENCE AND ENGINEERING

Prof. E.E. Newhall and A.N. Venetsanopoulos presented an invited paper under the title "Computer Communication: representative systems" at the International Federation for Information Processing Congress, which was held in Yugoslavia, Aug. 23-28. Prof. Venetsanopoulos and C.J.M. Turnbull also presented a paper on "Simulation Techniques in Undersea Communications", at the 1971 IEEE Conference on Engineering in the Ocean Environment, held in San Diego, Sept. 21-24.

Prof. M.G. Currie, a member of the Canadian National Committee of the CIE (International Commission on Illumination), attended the 17th Penary Session of the CIE which was held in Barcelona, Spain from Sept. 8 to 15. This meeting, which is held every four years, was attended by more than 700 delegates from 27 countries.

Dr. A.W. Neumann presented an invited paper at the 162nd Meeting of the American Chemical Society: "Effect of Zone Refining and Recrystallization from Solution on Surface and Bulk Properties of Liquid Crystals"; and a paper at the Gordon Research Conference on Adhesion: "Thermodynamic Status of Contact Angles".

Prof. K.T. Aust was Vice-Chairman of the Gordon Research Conference on Physical Metallurgy, Tilton, N.H. during June 27 - July 2. He presented an invited paper entitled "Principles of Crystal Growth from the Solid State" at the International Conference on Crystal Growth, Marseille, France, July 5-9. Prof. Aust was also co-author with Dr. C.J. Simpson of an invited paper "Grain Boundary Migration", which was presented at the International Conference on Structure and Properties of Grain Boundaries and Interfaces, Aug. 23-25, at the IBM Research Center, Yorktown Heights, N.Y.

## O.I.S.E.

Dr. V.R. D'Oyley gave a paper entitled "Examining in English at the Upper High School Level and the Concurrent Validation of CELAT", to the 4th Annual Conference of the Canadian Council of Teachers of English, Montreal. He also spoke on "Levels of Entry and Placement in Teachers' Colleges", at the Institute of Education, University of West Indies, Jamaica.

Prof. William G. Spady has recently been appointed a research fellow of the American College Testing Program in Iowa City. Prof. Spady will join William H. Sewell, Theodore M. Newcomb, and several others in a program of research on the post-secondary school experiences of contemporary youth. He also enters his second year as editor of a research oriented newsletter for the American Educational Research Association.

## COLLEGE OF EDUCATION

On Sept. 3 at Washington, Dr. Andrew Biemiller gave a paper at the American Psychological Association meetings on his research in reading at the Institute of Child Study for the past three years, as part of seminar on Psychological Processes in the Acquisition of Reading. The title of his paper was "Individual Advances in Perception of Distinctive Features of Letters and in the use of Structural Information in Reading Among Elementary School Children".

Dr. Michael Grapko and Biemiller attended the meetings of the Canadian Association for Advancement of Research in Child Development, at the University of Alberta, in Edmonton, Oct. 7, 8 and 9.

## BUSINESS

Prof. J.E. Dooley gave a presidential address to the Toronto Section of the Canadian Operational Research Society on May 27, entitled "The Role of Government in Research in Operational Research".

Prof. M.R. Hecht presented the Convocation address at the graduation ceremonies of the Cana-

dian Institute of Management, Toronto Chapter, on June 12.

Prof. R.F. Morrison presented a paper entitled "Corporate Change Models: Behavioural Correlates of Mergers and Major Organizational Change" at the meeting of the Summit (Behavioural Scientists) Conference in New York in April.

Prof. D.A. Ondrack presented a paper on "Curriculum and Socialization in Business Education" at the annual conference of the Association of Canadian Schools of Business held in St. John's, Nfld. on June 7.

Prof. O.W. Main was appointed in May to the Selection Committee for the Samuel Bronfman Foundation Awards in Business Administration.

Prof. A.E. Paull conducted a seminar on May 12 for the Professional Marketing Research Society of Toronto on a "Review of some of the current uses and misuses of classical statistical inference in everyday marketing research, with a re-emphasis of the continuing appropriateness and usefulness of these methods in this field of application."

Prof. G.D. Quirin was awarded a Killman Award to be held during the 1971-72 session.

Profs. G.D. Quirin and R.N. Wolff presented a paper on June 16, entitled "Transportation of Arctic Oil" to the conference on U.S.-Canadian Law of the Sea Problems, sponsored by the U of T Faculty of Law, the Canadian Institute of International Affairs and The Law of the Sea Institute.

Prof. E.L. Vitalis presented a paper entitled "Critical Communication - The Boundary Role of the Purchasing Manager" at the 46th Conference of Purchasing Management Association of Canada, June 1, in Toronto. He also talked on "New Dimensions in Manpower Management" at the annual conference of the Ontario Municipal Administrators' Association at Toronto on June 10.

## AEROSPACE STUDIES

Dr. J.H. de Leeuw gave a seminar at York University, April 28, on "Electron Beam Techniques in Laboratory and Rocket-borne Experiments".

Dr. R.M. Measures was invited to give a seminar to the Electrical Engineers Department of Case Western Reserve University, Cleveland on April 15.

Dr. I.I. Glass gave an invited lecture on "Some Applications of Explosive-Driven Implosions", at the Sanida Laboratories, Albuquerque, N.M. on April 5, and the University of California, Los Alamos Scientific Laboratory, New Mexico, on April 6. Dr. Glass lectured on "Space and Man" to the Association of Engineers and Architects in Israel on July 13 and at the University of Negev in Beer-Sheva. The lectures "Space and Man" and "Gasdynamics of Explosions Today" were given at the Technion, the Israel Institute of Technology in Haifa, July 19-23.

Dr. H.S. Ribner was the 1971 Shell Foundation Lecturer at the California Institute of Technology, Pasadena, with three lectures on topics in noise and aerodynamics: "Acoustic Theory and Noise Control", "Jets and Noise" in the Fluid Dynamics Colloquium series of Northwestern University, Evanston, April 6, and at the Southeastern Seminar on Thermal Sciences at Tennessee Technological Institute, Cookeville, April 27.

Dr. G.W. Johnston, H.K. Lee and Dr. Ribner attended a meeting of the Acoustical Society of America, Washington, April 20-23, including a meeting of the Noise Committee of the Society. Three papers were presented: H.K. Lee and H.S. Ribner on "Direct Correlation Between Flow Field and Radiated Sound of a Jet", C.K.A. Yu and H.S. Ribner on "Jet Noise Contribution to Wind Noise in Vehicles", and H.S. Ribner on "Supersonic Turns without Superbooms".

Dr. J.W. Locke gave a seminar on "Practical Applications of Holography" to the Canadian Aeronautics and Space Institute, Toronto Branch.

Dr. R.C. Tennyson gave a lecture on "The Effect of Axisymmetric Shape Imperfections on the Stability of Cylindrical Shells", McMaster University Series in Applied Mechanics and the "Application of the Split Hopkinson Bar to Study the Dynamic Response of Bone," 3rd Canadian Medical and Biological Engineering Conference in Halifax. He also gave the following lectures: "Analysis of the Collapse of Cylindrical Shells using High Speed Photography at the 108th Society Motion Picture and Television Engineering Technical Conference in New York and "New Design Criteria for Predicting Buckling of Cylindrical Shells", 9th Aerospace Sciences Meeting of the AIAA in New York.

Prof. B. Etkin attended the 3rd International Conference on Wind Loads on Buildings and Structures, Tokyo, Sept. 6 to 9, where he presented a paper on "Interaction of Precipitation with Complex Flows", was co-chairman of one session, and was a member of the steering committee planning the 4th Conference for 1975. He lectured on "Flight in Atmospheric Turbulence" to the Japan Society of Aeronautical and Space Science at Kyoto (Sept. 3) and Tokyo, (Sept. 10), and visited Kyoto University, Tokyo University, the National Aerospace Laboratory, and the National Space Development Agency.

## HART HOUSE

Rev. J.S. Cunningham was a special lecturer in the Department of Religious Studies Summer Session at Memorial University, St. John's Nfld.